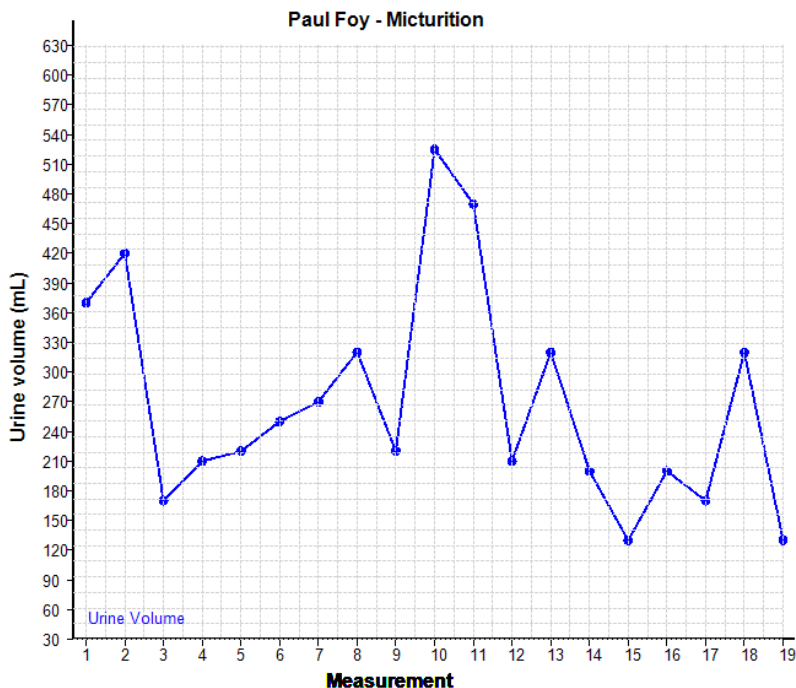


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1 Introduction

This is a manual for the installation and use of the application 'Micturition'. The program is a Windows application, for logging volume of urine produced for a day or two and creating a chart or list for printout. A typical chart would look like:

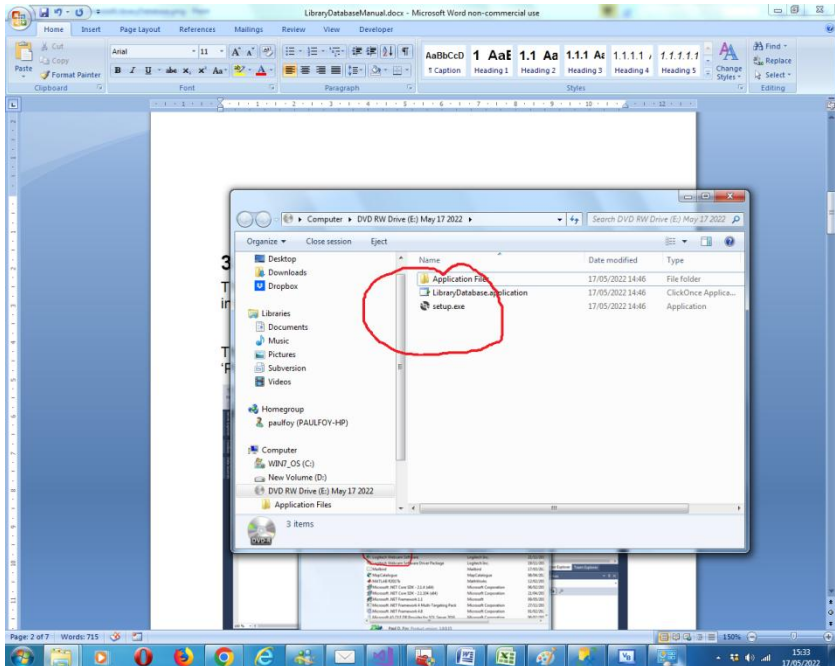


2 Pre-requisites.

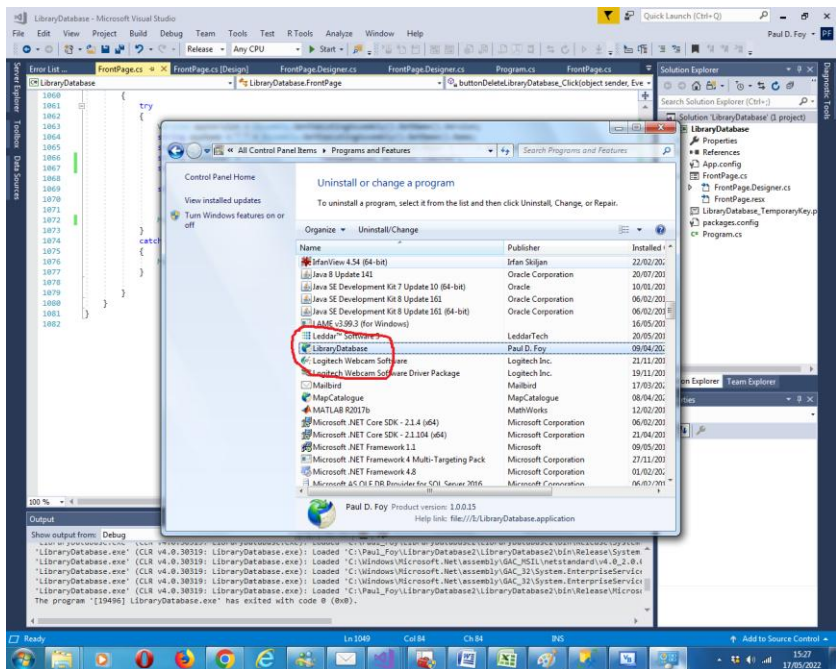
1. A PC running Windows 7 or above.
2. A USB stick or optical drive containing the program setup files, together with this manual.

3 Installation/Removal

The program is installed by inserting the supplied stick or disc into the PC and running the 'setup.exe' program on it.



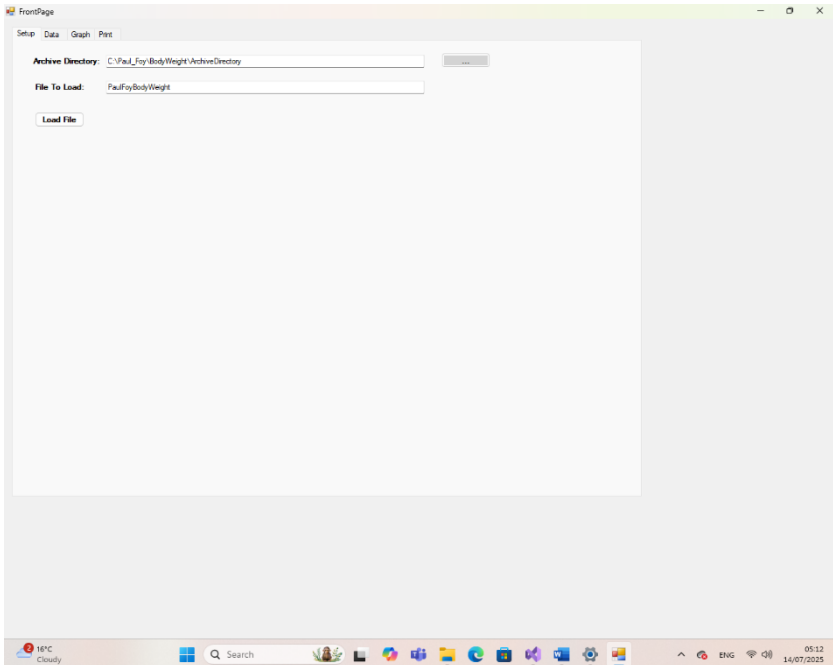
The program can be removed from the PC, by using the 'Program & Features' menu from within Control Panel.



4 Use

The application has 4 tabs:

4.1 Setup



This tab initialises the names and directories and the settings.

Archive Directory: the directory where all files are loaded from or saved to.

File To Load: the name of the text file to load or save to. This is used for the text file name of the archive file which is saved on program quit and loaded on program start. The contents of this text file populate the entries in the Flex Grid on the Data tab.

Load File: The file in the above text box is loaded into memory from its archived text file. If no such file exists an empty flex data grid is created. If you do not explicitly load a file, the last loaded file (as specified in the above text box) is loaded into the flex grid. This button is used for switching between files

4.2 Data

The screenshot shows the 'FrontPage' application window. At the top, there are tabs for 'Setup', 'Data', 'Graph', and 'Print', with 'Data' currently selected. Below the tabs is a data grid with the following columns: Index, Urine Volume (mL), Date, Time, Comment, and Checked. The grid contains 7 rows of data. Below the grid, there is a green panel with two buttons: 'Volume' and 'Rate'. The 'Volume' button is associated with a text input field and the unit 'mL'. The 'Rate' button is associated with a text input field and the unit 'mL/h'. The Windows taskbar is visible at the bottom of the screen.

Index	Urine Volume (mL)	Date	Time	Comment	Checked
1	370	15-07-2025	08:05	Fair degree of urgency	<input type="checkbox"/>
2	420	15-07-2025	04:10	Normal urgency	<input type="checkbox"/>
3	170	15-07-2025	07:20	Needed to defecate not to micturate	<input type="checkbox"/>
4	210	15-07-2025	10:50	Some urgency	<input type="checkbox"/>
5	220	15-07-2025	13:35	Had to micturate because going out	<input type="checkbox"/>
6	250	15-07-2025	15:45	Moving about caused a micturation	<input type="checkbox"/>
7	270	15-07-2025	16:45	Several cups of tea + some urgency	<input type="checkbox"/>

Volume mL

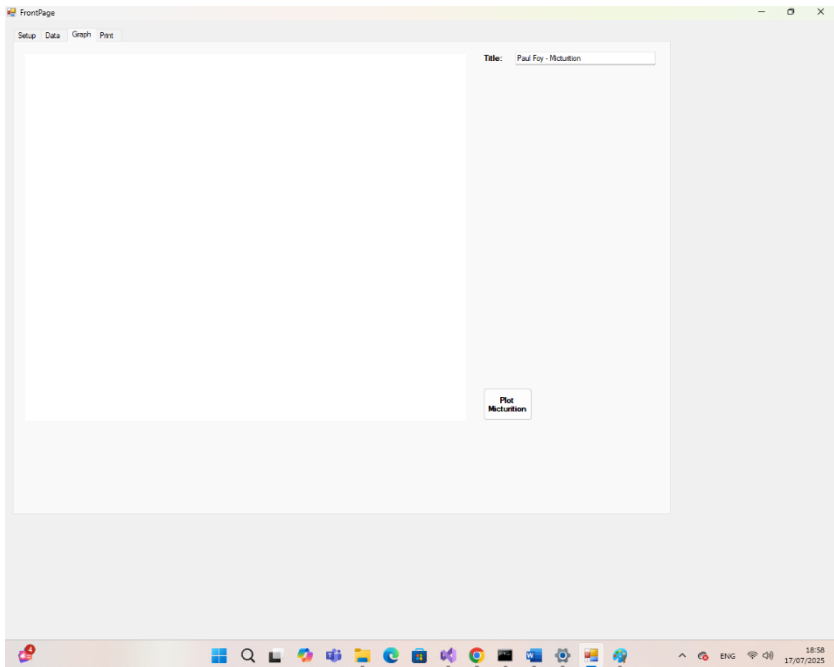
Rate mL/h

Use this data grid to add a urine volume reading. 'Index' is an integer beginning with 1. 'Urine Volume' is a double, representing the urine produced at a micturition in milli Litres. 'Date' is in the format 'dd-mm-yyyy'. 'Time' is twenty-four hour time 'hh-mm'. 'Comment' is any comment you think is pertinent.

In the lower panel the **Volume** button totals the volume of urine, in mL, produced from the selected readings.

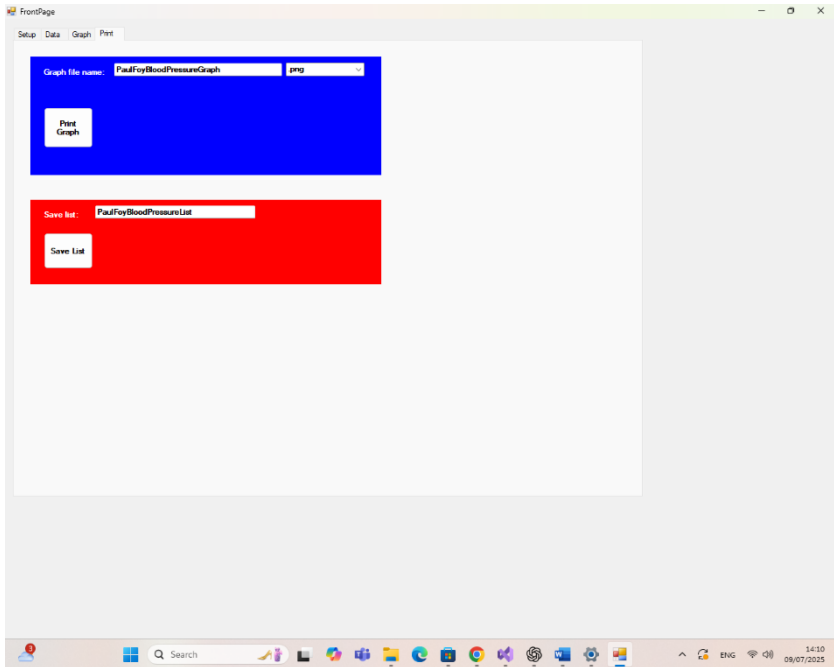
The **Rate** button calculates the rate of urine production, in mL/h, between two selected readings, using the date and times values provided.

4.3 Graph



Use this tab to plot a graph of the urine volume readings present in the flex grid. The title provided in the text box to the right entitles the graph.

4.4 Print



The upper panel allows you to create a file of the graph in the 'Graph' tab, as either a .png or .bmp file. This can then be printed. The name of the file is as provided in the text box.

The lower panel creates a text file listing the entries in the flex grid. The name of the file is as provided in the text box.

Paul D. Foy
Mathematical Services

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